JUL 06 1991

Don Kampbell, Research Chemist
U. S. Environmental Protection Agency
Robert S. Kerr Environmental Research Laboratory
PO Box 1198
Ada, OK 74820

Re: L. E. Carpenter Company (aka Dayco Corporation) Site in Wharton, NJ

Dear Dr. Kampbell:

The purpose of this letter is to provide you with some background information about the L. E. Carpenter Company (aka Dayco Corporation) Site in Wharton, NJ. As you know from our discussions, this site may be a good candidate for an in situ bioremediation remedy. The April 1, 1991 draft Feasibility Study (FS) Report evaluated in situ bioremediation (see Section 6.2.4) and recommended it as the preferred remedy (see page 6-58). However, the draft FS Report also casts doubt on the effectiveness of in situ bioremediation for treating organics in the unsaturated zone (see page 4-22, third paragraph). Given that your bioventing research indicates that organics can be biodegraded in the unsaturated zone, I believe that the bioventing technology may be effective for this site. However, the presence of semivolatile organics in site soils may make bioventing less effective than for soils containing only volatiles. The analysis of the "immiscible product" which has contaminated the soil (see page 1-10) indicates that the chief contaminant is the semivolatile bis (2-ethylhexyl) phthalate (DEHP), with the volatiles xylene, ethyl benzene and naptha also being major contaminants. Further discussion of the nature of the soil contamination can be found in Section 3.1.

I have also enclosed a June 1990 report entitled "Revised Report of Remedial Investigation Findings" (two volumes). However, this report is in short supply. Therefore, I will appreciate your returning it after copying any portions that you wish to keep for your records.

Because the effectiveness of bioremediation for the L. E. Carpenter Company Site unsaturated soils is uncertain, I was pleased to receive your suggestion that soil samples from the L. E. Carpenter Company Site be used in your research. Hopefully, the use of site samples would help to further your research and would also produce information of value in the site remediation process.

J.J 7/3/91

Please contact me at (FTS) 264-8098 after you have had a chance to review the enclosed material.

Sincerely yours,

Jonathan Josephs, Project Manager
New Jersey Superfund Branch II
Emergency and Remedial Response Division

Enclosures